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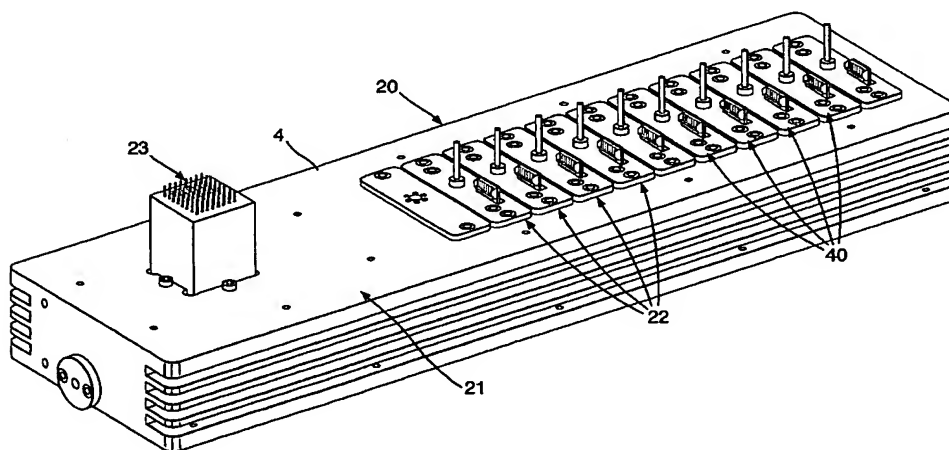
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- (74) Agent: **FLINT, Jonathan, McNeill**; 765 Finchley Road, London NW11 8DS (GB).
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- (71) Applicant (for all designated States except US): **SMITHS GROUP PLC** [GB/GB]; 765 Finchley Road, London NW11 8DS (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **GOLDER, Roger, Francis** [GB/GB]; 24 High Street, Aldreth, Ely, Cambridgeshire CB6 3PQ (GB). **SEWELL, Roger, Fane** [GB/GB]; 19 Champneys Walk, Newnham, Cambridgeshire CB3 9AW (GB). **TOUTOUNGI, Danielle, Emma** [GB/GB]; 35 Catharine Street, Cambridge CB1 3AW (GB).
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[Continued on next page]

(54) Title: PARTICLE DETECTION



(57) Abstract: Particle detection and characterising apparatus has an insulating tube (50) along which the particles flow. Five electrodes (51, 52, 55, 56) and (57) spaced along the outside of the tube are connected via amplifiers (61) and (62) to a processor (68) arranged to measure the charge on the particles. The apparatus also includes a laser (11) and photomultiplier tube (23) arranged to measure the size of the particles so that the nature of the particles can be characterised from their electrical charge and size.

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